

TABLE 1

Study no. 44/009

Validation for the determination of MDA in human plasma:  
Stability of extracted QC samples from plasma, stored refrigerated for 1 day

Quality control level ( $\mu\text{mol/L}$ )	Replicate	Stored extracted QC samples		
		Observed concentration ( $\mu\text{mol/L}$ )	Mean ( $\mu\text{mol/L}$ ) (CV%)	Difference from nominal concentration (%)
1	1	0.77	0.80 (3.1)	-20.0
	2	0.79		
	3	0.79		
	4	0.81		
	5	0.82		
	6	0.84		
4	1	3.45	3.62 (3.5)	-9.5
	2	3.52		
	3	3.61		
	4	3.63		
	5	3.66		
	6	3.82		
8	1	6.97	7.13 (1.7)	-10.9
	2	7.10		
	3	7.15		
	4	7.04		
	5	7.23		
	6	7.29		

TABLE 1a

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Validation for the determination of MDA in human plasma:  
Stability of extracted QC samples from water, stored refrigerated for 1 day

Quality control level ( $\mu\text{mol/L}$ )	Replicate	Stored extracted QC samples		
		Observed concentration ( $\mu\text{mol/L}$ )	Mean ( $\mu\text{mol/L}$ ) (CV%)	Difference from nominal concentration (%)
1	1	0.95	1.00 (4.0)	0.0
	2	1.03		
	3	0.98		
	4	0.98		
	5	1.01		
	6	1.06		
4	1	3.90	4.02 (4.4)	0.5
	2	3.86		
	3	4.30		
	4	3.89		
	5	4.01		
	6	4.15		
8	1	7.67	7.84 (2.7)	-2.0
	2	7.69		
	3	7.60		
	4	7.89		
	5	8.05		
	6	8.11		

TABLE 2

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Validation for the determination of MDA in human plasma:  
Stability of stock solutions stored at nominal 4°C for 29 days

Date of stock solution preparation	Replicate	Peak absorbance of stock solution	Mean peak absorbance value	% Difference of stored solution from new solution
13/08/01 (new)	1	130219.2	127347.4	3.8
	2	132330.5		
	3	119492.6		
16/07/01 (stored)	1	126345.8	132214.7	
	2	137860.8		
	3	132437.4		